

**Notice of Allowability**

Application No.

09/732,315

Applicant(s)

HAN ET AL.

Examiner

Cheukfan Lee

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an amendment filed September 6, 2006.
2. ☒ The allowed claim(s) is/are 1-20, now renumbered 1,5,2-4,6-9,11,10, and 12-20, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
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1. Claims 1-20 are allowed. Claims 1, 2, 6, 10, 12, 13, and 15-20 are independent.

2. The amendment filed September 6, 2006 has overcome the objection of claims 1-12 and 15-20.

3. The following is an examiner's statement of reasons for allowance:

Claim 1 is allowable over the prior art of record. The examiner agrees with Applicant's remarks filed April 20, 2006 that there is no motivation to combine the teaching of Ishibe et al. (5,838,364) and McConica et al. (5,710,425) to provide a scanner having a housing having a scanning surface thereon on which objects being scanned are placed as claimed, since it is the piece of film itself is a scanning surface in Ishibe, not the housing that provides for a scanning surface as claimed. The examiner noted that the piece film is inserted to film guide groove (3) in Figs. 1 and 4B of Ishibe et al, which supports the piece film during transporting and scanning of the piece film (col. 3, lines 23-43 and col. 4, lines 11-20). See Applicant's remarks, section II, B on pages 10-14.

Claims 3-5 depend on claim 1.

Claim 2 now in independent form is allowable because the image display device, to which the digital data is transmitted from the obvious scanner of Ishibe et al. (5,838,364) in view of McConica discussed for claim 1 in the previous Office Action mailed January 17, 2006, is not an LCD projector. The examiner found no motivation to

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modify the system of Ishibe et al. having a TV monitor for displaying the received data to include an LCD projector.

Claim 6 as previously amended defines the "stand alone central processing unit (CPU)" to be a unit "not including a display device". The examiner found Applicant's arguments convincing that the system comprising the combination of the claimed stand alone scanner, stand alone central processing unit, and stand alone display device as claimed, is not taught by the prior art of record. See Applicant's remarks filed January 17, 2006, section IV, B on pages 17-18.

Claims 7-9 and 11 depend on claim 6.

Claim 10, now in independent form, requires a television monitor as the display device. The display device of the obvious scanner projection system of McConica in view of Applicant's prior art discussed for claim 6 in the previous Office Action is an LCD projector, not a TV monitor.

Claim 12, now in independent form, requires that the CPU be further adapted to receive signals from an infrared (IR) remote control device, to convert the IR signals to digital data representative of IR signals, containing software to process the digital data to change the digital data representative of the object image transmitted to the display device to alter the scale and/or position of the portion of the object image displayed. McConica does not disclose that the computer (Fig. 1A) is adapted to receive and

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process IR signals as claimed and contains software to alter the scale and/or position of the portion of the object image display as claimed. The system of McConica in view of Applicant's admitted prior art discussed for claim 6 in the previous Office Action mailed January 17, 2006 does not have a CPU as claimed.

Claim 13 as previously amended further defines the converted digital data of the stand alone flatbed scanner to be digital data adapted for transmission "directly" to a display device. Claim 13 and its dependent claim 14 are allowable over McConica. The examiner agrees with Applicant's remark filed January 17, 2006 that the McConica's scanner transmits image data that must be processed by the software on the remote computer to put it in digital form adapted for transmission directly to a display device. See Applicant's remarks filed January 17, 2006, section V on page 18.

Claim 14 depends on claim 13.

Claims 15-18 now in independent form are allowable because McConica does not disclose that the installed software is adapted to allow changing the displayed image scale, or is adapted to allow the portion of the image displayed to be shifted vertically and horizontally as claimed.

Claims 19 and 20 now in independent form are allowable because the image display device of McConica is a computer display monitor, not a television monitor or an LCD projector as claimed.

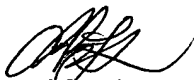
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Cheukfan Lee  
November 8, 2006